

**R. ADAMS,**  
ENGINEER, AND PATENTEE  
OF THE  
"CONVERGING AND REGULATING SPRING HINGE AND  
ADJUSTABLE SHOE,"

FOR DOUBLE-ACTION AND REBATE-FRAMED DOORS.

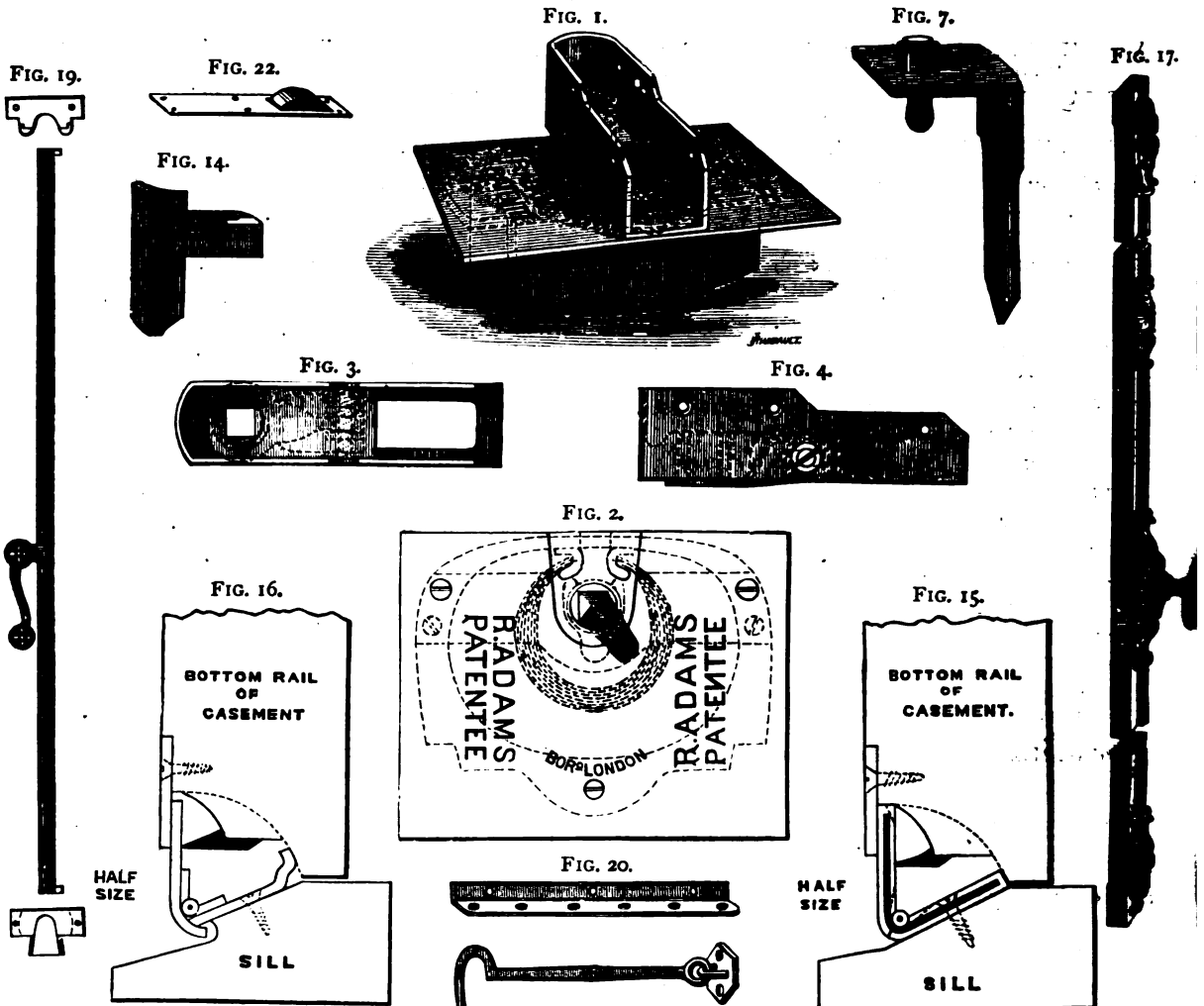
**WEATHER-TIGHT SILL BARS and TRIPLE-ACTION BOLTS for FRENCH CASEMENTS, &c.**

*Builders supplied with all kinds of modern and most approved Machinery.*

LIFTS FOR HOTELS, IRON DOORS FOR STRONG ROOMS,  
AND ALL KINDS OF IRON AND BRASS WORK TO ORDER.

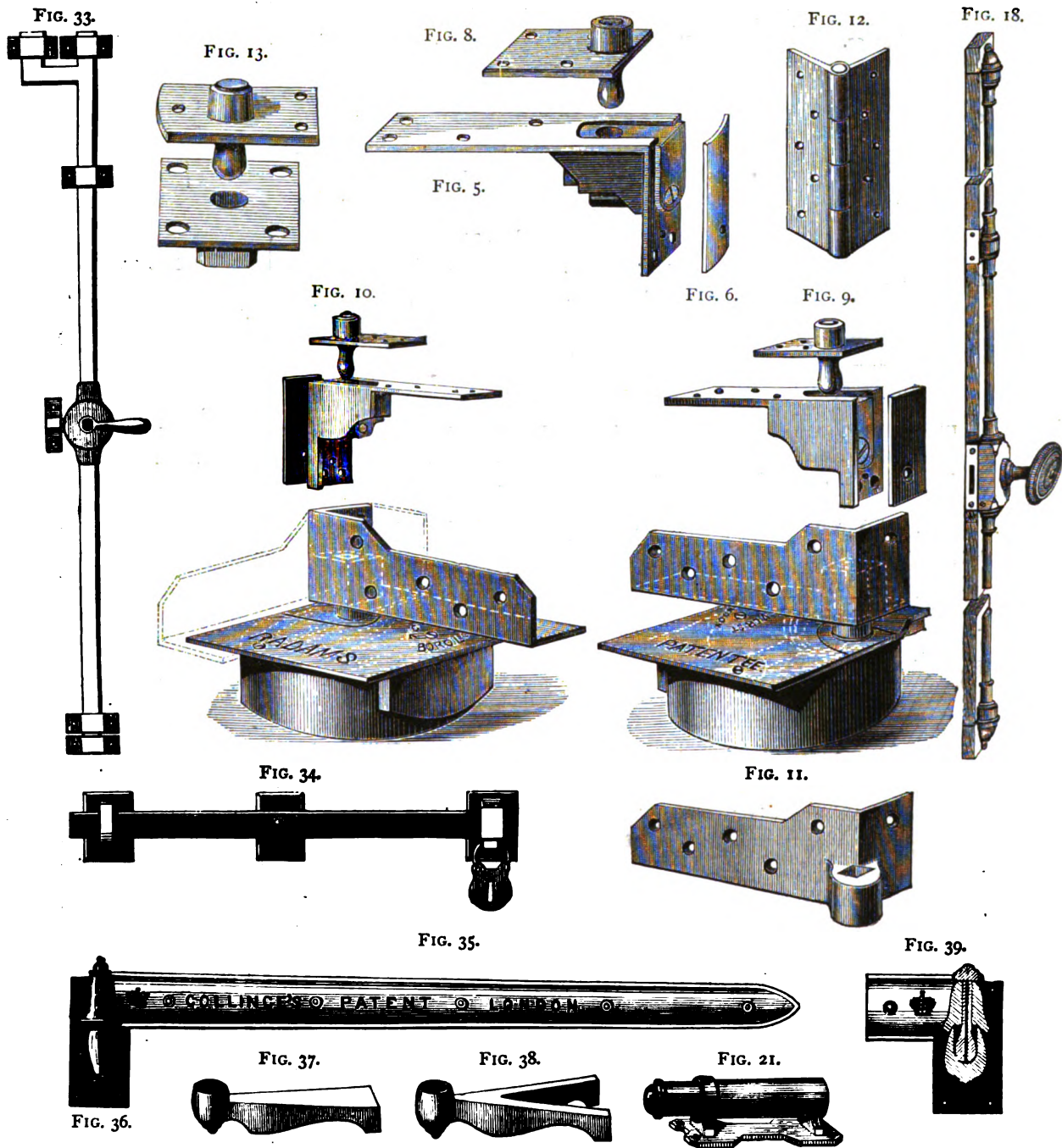
The particular attention of Architects, Builders, the Trade, Shippers, and the Public, is invited to the remarkable features of this Spring Hinge, &c. (as described on p. 383), which, through the introduction of recent patented important improvements, possesses all the advantages so long desired.

*For Prices and explanation of Figures, see pages 382 and 383.*



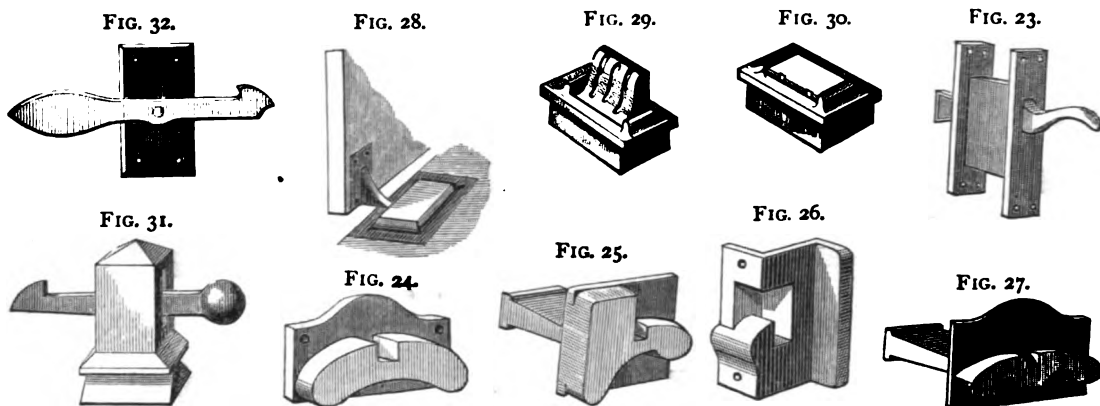
WORKS: 7, GREAT DOVER STREET, BOROUGH, LONDON, S.E.

# PATENT SPRING AND OTHER HINGES, DOOR AND GATE FITTINGS.



Manufacturer of COLLINGE'S Patent Spherical and other Hinges, and all kinds of Gate and Door Fastenings.

R. ADAMS,  
ENGINEER, 7, GREAT DOVER STREET, BOROUGH, LONDON, S.E.  
REMOVED FROM 25, FALMOUTH ROAD.

DOOR AND GATE FITTINGS—*continued.*

## Explanation and Prices of Illustrated Articles.

- Figs. 1 and 2. Perspective and Sectional Plan of R. Adams' Improved Patent Regulating Spring Hinge.  
 Figs. 3 and 4. Sectional Side View and Plan of R. Adams' Improved Patent Adjustable Shoe.  
 Figs. 5 and 6. Adjustable Top Centre, with Sliding Step, for Swing Doors. (A very great advantage.)  
 Figs. 7 and 8. Bracket and Ordinary Top Centre Pin-Holder, for Dwarf and Ordinary Entrance Doors.  
 Figs. 9 and 10. R. Adams' Patent Right and Left Hand Single-Action Spring Hinge and Adjusting Top Centre, for Public-House and other Doors. From 15s. each, advancing 6d. every  $\frac{1}{4}$  inch from 1 inch.  
 Figs. 11 and 12. Right-Hand Knuckle Shoe and Butt Hinge Top Centre, for Rebated Door Spring Hinge.  
 Figs. 13 and 14. Bottom Centre, and Top or Intermediate Centre, for Gothic Swing or Heavy Doors.  
 Figs. 15 and 16. R. Adams and Smith's Patent Water Bars for French Casement Sills. R. A.s' is designed to allow of being stepped on without injuring it, requires no preparation of the sill for fixing, and is air-tight. 18-in., 11s. 6d.; 24-in., 13s. 3d.; 36-in., 18s.; 48-in., 22s.; 60-in., 25s.; 72-in., 26s. 6d.  
 Figs. 17 and 18. R. Adams' Patent Ornamental and Plain Triple-Action Casement Bolts; shoots up, down, and across, 31s. 6d. Six feet long, Double Action, 28s. 6d. These prevent Casements winding.  
 Figs. 19 and 20. Espagnolette Bolt,  $\frac{3}{4}$ , 3s. 4d.;  $\frac{1}{2}$ , 4s.;  $\frac{3}{4}$ , 4s. 9d., commencing at 5 feet. Fig. 20 is an Octagon-Pattern Hook and Set Stay for Casements. 3s. 9d. each. Other patterns to order.  
 Figs. 21 and 22. Door Buffer and Porter Door Stop, for Bank or other Doors, to counteract violence.  
 Figs. 23 to 27. Latch and Catches for Single and Double Action Park Gate, for Wood or Stone Piers.  
 Figs. 28 to 30. Self-Acting Fall-down Stop, raised by Iron Lift on Door. Fig. 29, door open; 12s. each.  
 Figs. 31 and 32. Ball Catches for Park or other Gates. To let into ground, 12s. To screw on wood, 10s.  
 Figs. 33 and 34. Lever Bolt; shoots three ways, up, down, and across. 50s. each. Brass Cases to order.  
 Fig. 34 is a Swing Bar with Padlock. Price 26s. Lock not included. Supplied to order.  
 Figs. 35 to 39. Collinge's Patent Spherical Strap Hinges and Steps for Wood, Stone, or Brick Piers. These hinges are made cranked or ramped to order, for Gothic or Arched Doors.

## IMPROVED MORTISING AND PLANING MACHINERY.

## LATHES, DRILLING, PUNCHING MACHINES, VICES, AND ALL KINDS OF TOOLS.

*Prices on application.*

CERTIFICATE OF MERIT AWARDED FROM THE INTERNATIONAL EXHIBITION OF 1872.

OPINIONS OF THE PRESS ON APPLICATION TO THE PATENTEE.

R. ADAMS,

ENGINEER, 7, GREAT DOVER STREET, BOROUGH, LONDON, S.E.

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## Advantages and Prices of R. Adams' Improved Patent Adjustable Shoe and Regulating Spring Hinge and Fittings.

1. All the working bearings are steel faced, and having but little friction will endure great wear.
2. No slackness arises from wear, as the Spring is compensating, having direct action on the axis.
3. Its extreme simplicity prevents derangements and renders it easily understood.
4. The Spring has great power over the door when closed, but its resistance diminishes in opening.
5. Its strength can be easily regulated to suit doors of any dimensions by an ordinary workman.
6. This Hinge Box is fixed without screws; two wedges of hard wood only are required.
7. Turning the set screw in the New Patent Shoe to the right or left, the door is thereby instantly and accurately adjusted to its centre, although the Hinge may be unskilfully fixed. (A great time saver.)
8. Its compactness will commend itself to all who object to cutting larger holes in the sill.
9. The adjustable top centre regulates the door when from wear it has dropped forward.
10. It possesses more advantages while its cost is more moderate than any other warranted Spring Hinge.

			No. 1.	No. 2. Best.
For ordinary Entrance Office or Dwarf Door, with Top Centre (Steel Faced), from 1 to 1½			17s. 6d.	24s. 6d. each.
Ditto, with Patent Adjustable Shoe and Regulating Top Centre.	1½	2½	27s. 6d.	31s. 6d.
For Extra-Heavy Doors	2½	3	37s. 6d.	42s. 6d.
Or fitted with the Ordinary Shoe, from 1½ inch, 2s. each less.				

Shoe patterns vary every  $\frac{1}{16}$  of an inch. A Template is necessary for Mahogany Doors of special thickness.

*Hinges for ordinary Doors always in Stock, and may also be obtained of all the principal Ironmongers.*

CERTIFICATE OF MERIT AWARDED FROM THE INTERNATIONAL EXHIBITION OF 1872.

OPINIONS OF THE PRESS ON APPLICATION TO THE PATENTEE.

## Price and Particulars of Collinge's Patent Spherical Gate or Strap Hinges.

Collinge's Patent Spherical Hinge is fitted with a ball-shaped pin, and the step or hook, which is chill cast, forms a cup for its reception: this arrangement permits of considerable obliquity in the axis of the hinge, and allows for all ordinary variation, without losing the smooth and easy action of the hinge. The cup forming a bearing for the ball furnishes a receptacle for oil, and being covered with the lip of the knuckle, moisture and dirt are excluded.

R. A. is enabled to offer these elegant and superior Hinges at prices which will bring them within the reach of Builders for almost all work requiring strap hinges.

Per Pair.			Per Pair.			Per Pair.			Per Pair.			Per Pair.			Per Pair.		
ft. in.	s.	d.	ft. in.	s.	d.	ft. in.	s.	d.	ft. in.	s.	d.	ft. in.	s.	d.	ft. in.	s.	d.
1 6	7	0	2 6	13	0	3 6	20	0	4 6	26	0	5 6	33	0	6 6	39	0
1 9	8	6	2 9	14	6	3 9	21	6	4 9	27	6	5 9	34	6	6 9	40	6
2 0	10	0	3 0	16	0	4 0	23	0	5 0	29	0	6 0	36	0	7 0	42	0
2 3	11	6	3 3	17	6	4 3	24	6	5 3	30	6	6 3	37	6	7 6	45	0

1s. extra per pair for Stone Steps. Bolts 7d. each.

NOTE.—For Single or Odd Pairs of Hinges or Butts, the *hand* should be stated according to the following:—"The knuckle of the *Right*-hand Hinge or Butt is on the *Right* of one opening the gate or door towards him."

In ordering, please state whether the Hinges are to be hung to *Wood* Posts, or to *Stone* or *Brick* Piers; also the *thickness* of *Gates*, to determine length of bolts.

Collinge's Patent Double Strap Hinges, Self Closing, for Park or Field Gates, 20s. per pair per foot.

Ornamental ditto to order. Prices on application.

*Liberal Discount allowed to the Trade, on receipt of card, on all the above goods.*

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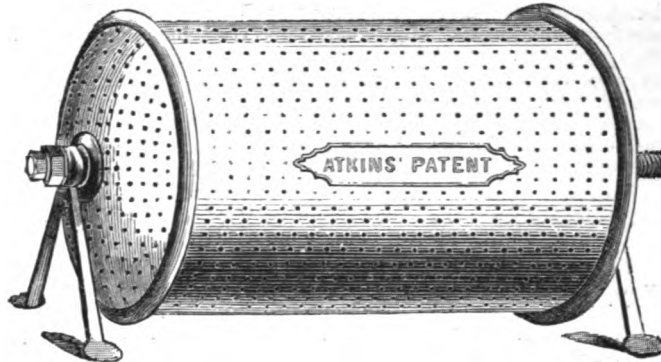
## ATKINS'S PATENT CISTERN FILTER

As adopted by H.M. Government for the Royal Navy, Military Stores and Barracks, Indian State Railways, Ashantee Expedition, Lighthouses, &c., &c.

## Easily cleaned.

**Thoroughly  
effective.**

## Easily applied.



FROM 'THE TIMES,' NOVEMBER 28, 1873.

(NAVAL AND MILITARY INTELLIGENCE.)

“The Marine Society's Training Ship ‘Warspite,’ Capt. Phipps, R.N., off the Dockyard, Woolwich, and the Training Ship ‘Goliath,’ Capt. W. S. Bourchier, R.N., have just been furnished with tank filters by Atkins and Co., of Fleet Street, similar to those supplied to ships belonging to Her Majesty's Navy and Hospital Ships, by the use of which pure soft and wholesome water for drinking or cooking purposes can always be obtained. They consist of an earthenware or galvanized iron hollow cylinder, with movable caps to facilitate cleansing, and are fitted with carbon blocks of animal charcoal, surrounded by loose charcoal to effect a rough filtration first, through which the water passes to the central pipe, and from which water can be drawn at any time. The filters are supported on legs to keep them out of the sediment, which naturally falls to the bottom of the cistern, and all the fittings are of galvanized iron.”

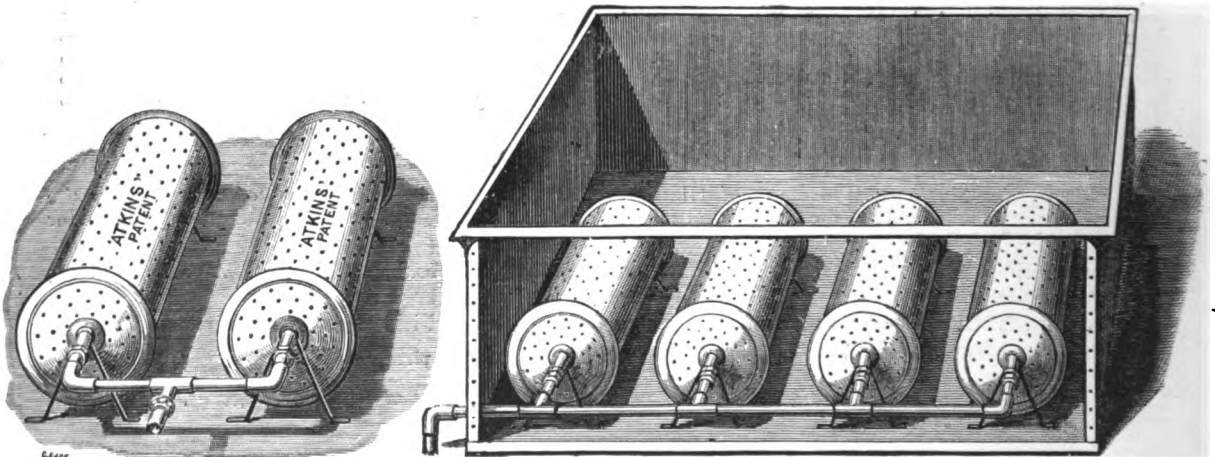
**PRICES OF SINGLE CISTERN FILTERS, Adapted to supply Single Drinking Taps.**

No. 1.	Small size, supplies one	$\frac{3}{4}$ in. draw-off Tap	.. ..	£3 0	Length, including Unions, &c.,	24 in., dia.	11 in.
2.	"	$\frac{1}{2}$ " "	.. ..	4 0	" "	30 "	11 "
3.	Medium	" "	.. ..	5 5	" "	36 "	12 "
4.	"	$\frac{3}{4}$ in. Tap or $\frac{1}{2}$ in. Tap & Boiler	.. ..	7 10	" "	36 "	16 "
5.	Large size	1 in. or $\frac{3}{4}$ in. "	.. ..	9 10	" "	3 ft. 9 "	18 "

Where it is required to supply several taps, the Filters are used in sets as below.

**ATKINS'S CISTERN FILTERS IN SETS FOR LARGE SUPPLIES (see below).**

FOR FULL PRICES, SEE ATKINS AND CO.'S NEW PAMPHLET, 'The Water Supply to Country Mansions, Town Residences, &c., &c.'—Post Free for Two Stamps.



F. H. ATKINS AND CO.,

HYDRAULIC AND SANITARY ENGINEERS AND CONTRACTORS TO H.M. GOVERNMENT,  
62, FLEET STREET, LONDON, E.C. WORKS: CHEPSTOW, MONMOUTHSHIRE.